

# PATENT COOPERATION TREATY

## PCT

### INTERNATIONAL PRELIMINARY EXAMINATION REPORT

(PCT Article 36 and Rule 70)

Applicant's or agent's file reference <b>OPP021590KR</b>	<b>FOR FURTHER ACTION</b> See Notification of Transmittal of International Preliminary Examination Report (Form PCT/IPEA/416)	
International application No. <b>PCT/KR 2003/000799</b>	International filing date ( <i>day/month/year</i> ) <b>18 April 2003 (18.04.2003)</b>	Priority Date ( <i>day/month/year</i> ) <b>1 October 2002 (01.10.2002)</b>
International Patent Classification (IPC) or national classification and IPC  <b>IPC<sup>7</sup>: C08G 64/40, C08G 64/30; C08G 64/20</b>		
Applicant <b>LG CHEM, LTD.</b>		

1.	This international preliminary examination report has been prepared by this International Preliminary Examination Authority and is transmitted to the applicant according to Article 36.
2.	This REPORT consists of a total of <u>  3  </u> sheets, including this cover sheet.  <input type="checkbox"/> This report is also accompanied by ANNEXES, i.e., sheets of the description, claims and/or drawings which have been amended and are the basis for this report and/or sheets containing rectifications made before this Authority (see Rule 70.16 and Section 607 of the Administrative Instructions under the PCT).  These annexes consist of a total of <u>          </u> sheets.
3.	This report contains indications relating to the following items:  I. <input checked="" type="checkbox"/> Basis of the opinion  II. <input type="checkbox"/> Priority  III. <input type="checkbox"/> Non-establishment of opinion with regard to novelty, inventive step and industrial applicability  IV. <input type="checkbox"/> Lack of unity of invention  V. <input checked="" type="checkbox"/> Reasoned statement under Rule 66.2(a)(ii) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement  VI. <input type="checkbox"/> Certain documents cited  VII. <input type="checkbox"/> Certain defects in the international application  VIII. <input type="checkbox"/> Certain observations on the international application

Date of submission of the demand  <b>30.04.2004</b>	Date of completion of this report  <b>11 January 2005 (11.01.2005)</b>
Name and mailing address of the IPEA/AT <b>Austrian Patent Office Dresdner Straße 87 A-1200 Vienna Facsimile No. 1/53424/200</b>	Authorized officer  <b>BAUMSCHABL F.</b>  Telephone No. 1/53424/459

Form PCT/IPEA/409 (cover sheet) (July 1998)

# INTERNATIONAL PRELIMINARY EXAMINATION REPORT

International application No.  
PCT/KR 2003/000799

## I. Basis of the report

1. With regard to the elements of the international application:\*

☒ the international application as originally filed

☐ the description:

pages \_\_\_\_\_, as originally filed

pages \_\_\_\_\_, filed with the demand

pages \_\_\_\_\_, filed with the letter of \_\_\_\_\_.

☐ the claims:

pages \_\_\_\_\_, as originally filed

pages \_\_\_\_\_, as amended (together with any statement) under Article 19

pages \_\_\_\_\_, filed with the demand

pages \_\_\_\_\_, filed with the letter of \_\_\_\_\_.

☐ the drawings:

pages \_\_\_\_\_, as originally filed

pages \_\_\_\_\_, filed with the demand

pages \_\_\_\_\_, filed with the letter of \_\_\_\_\_.

☐ the sequence listing part of the description:

pages \_\_\_\_\_, as originally filed

pages \_\_\_\_\_, filed with the demand

pages \_\_\_\_\_, filed with the letter of \_\_\_\_\_.

2. With regard to the language, all the elements marked above were available or furnished to this Authority in the language in which the international application was filed, unless otherwise indicated under this item.

These elements were available or furnished to this Authority in the following language \_\_\_\_\_ which is:

☐ the language of a translation furnished for the purposes of international search (under Rule 23.1(b)).

☐ the language of publication of the international application (under Rule 48.3(b)).

☐ the language of the translation furnished for the purposes of international preliminary examination (under Rule 55.2 and/or 55.3).

3. With regard to any nucleotide and/or amino acid sequence disclosed in the international application, the international preliminary examination was carried out on the basis of the sequence listing:

☐ contained in the international application in printed form.

☐ filed together with the international application in computer readable form.

☐ furnished subsequently to this Authority in written form.

☐ furnished subsequently to this Authority in computer readable form.

☐ The statement that the subsequently furnished written sequence listing does not go beyond the disclosure in the international application as filed has been furnished.

☐ The statement that the information recorded in computer readable form is identical to the written sequence listing has been furnished.

4. ☐ The amendments have resulted in the cancellation of:

☐ the description, pages \_\_\_\_\_.

☐ the claims, Nos. \_\_\_\_\_.

☐ the drawings, sheets/fig \_\_\_\_\_.

5. ☐ This report has been established as if (some of) the amendments had not been made, since they have been considered to go beyond the disclosure as filed, as indicated in the Supplemental Box (Rule 70.2(c)).\*\*

\* Replacement sheets which have been furnished to the receiving Office in response to an invitation under Article 14 are referred to in this report as „originally filed“ and are not annexed to this report since they do not contain amendments (Rules 70.16 and 70.17).

\*\* Any replacement sheet containing such amendments must be referred to under item 1 and annexed to this report.

Form PCT/IPEA/409 (Box I) (July 1998))

# INTERNATIONAL PRELIMINARY EXAMINATION REPORT

International application No.  
PCT/KR 2003/000799

<b>V. Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement</b>			
<b>1. Statement</b>			
Novelty (N)	Claims 2-22		YES
	Claims 1		NO
Inventive step (IS)	Claims ---		YES
	Claims 1-22		NO
Industrial applicability (IA)	Claims 1-22		YES
	Claims ----		NO
Citations and explanations (Rule 70.7)			
<p>Because there was no reply to the written opinion dated 2004-11-21 within the given time limit the final examination report is based on the arguments given already in the written opinion.</p> <p>EP 0807657 A1, JP10045896A (abstract), EP 0434998 A2, JP07053705A (abstract) and JP08041193A (abstract) describe a method for preparing polycarbonate resins comprising the polymerisation of dihydroxy-compounds and carbonic acid diester in the presence of a specific catalyst. Therefore the subject matter of claim 1 of the present application is not considered to be new and does not involve an inventive step.</p> <p>US 5401814 A describes the use of several catalysts (e.g. bis(triphenylphosphoranylidene) ammonium chloride; example 1 of US 5401814 A) with various dihydric phenols (column 2, lines 1 – 42) and diepoxides. General reaction conditions (range of catalyst, temperature, reduced pressure, crystallization of a prepolymer) given in EP 0 807 657 A1 are so similar compared with the method of the present application that a skilled person by combining the state of the art of EP 0807657 A1 (raw materials, reaction conditions) and the state of the art of US 5401814 A (catalyst in a related field of polymers) would get to the subject matter of the present application according to claims 1 to 22 without an inventive step.</p> <p>In a similar way a skilled person may combine the state of the art of JP 10045896 A (abstract) with the state of the art of US 5045632A and come to the subject matter of the present application according to claims 1 to 17 without an inventive step.</p> <p>Industrial applicability is given.</p>			